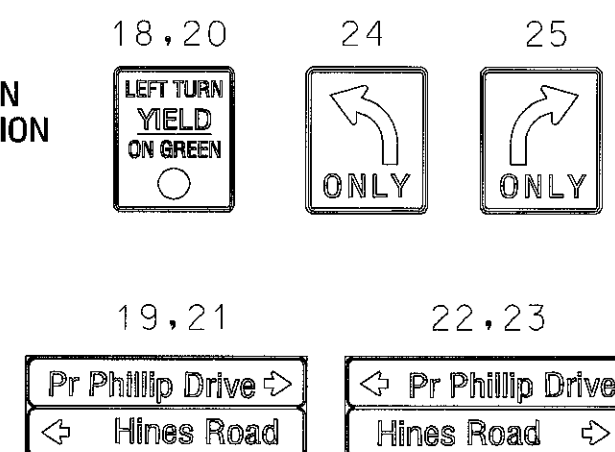
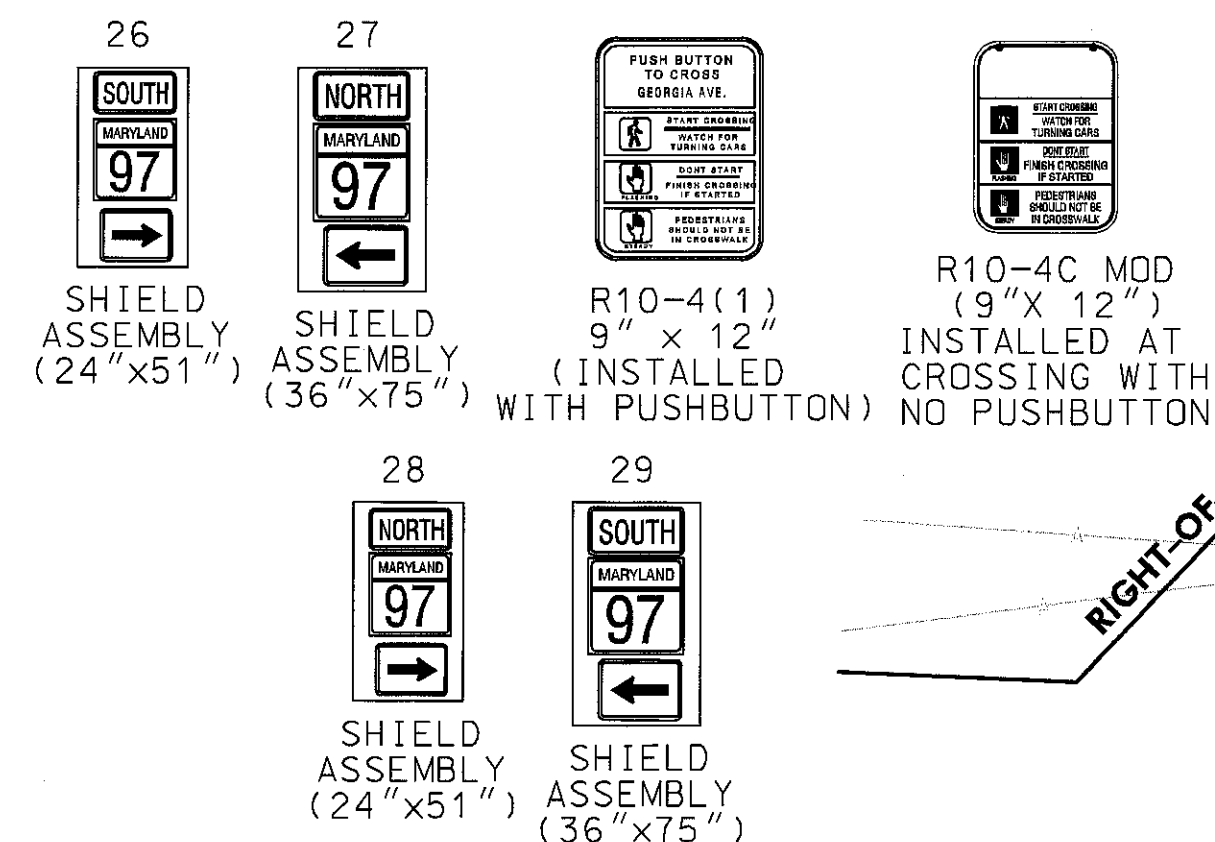


MD 97 IS ASSUMED TO RUN
IN A NORTH / SOUTH DIRECTION

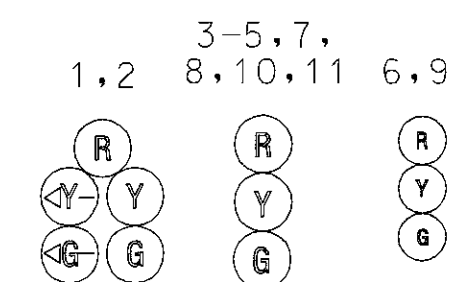
EXISTING SIGNS TO REMAIN



PROPOSED SIGNS



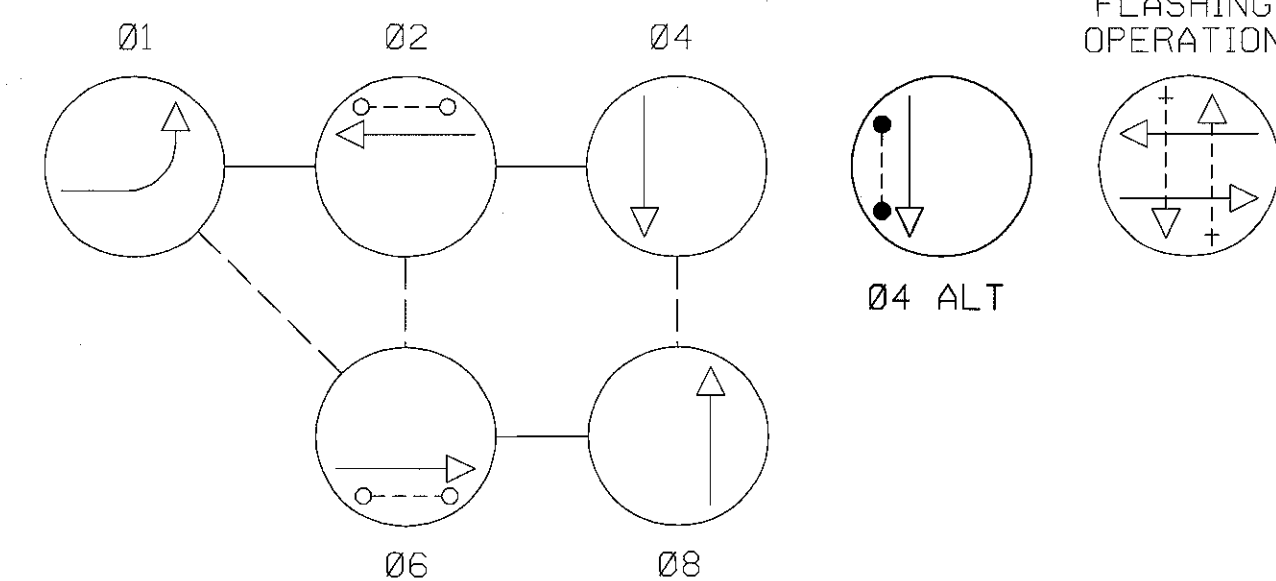
EXISTING SIGNALS



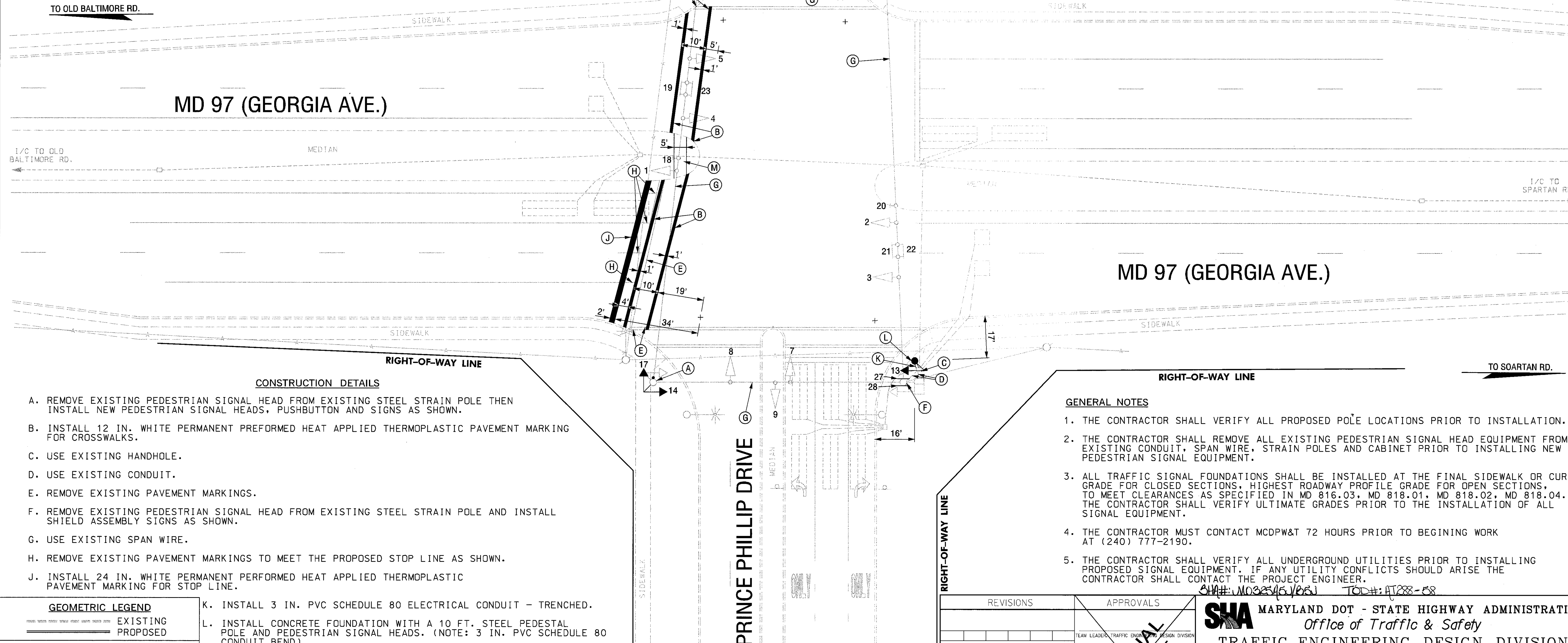
PROPOSED SIGNALS



NEMA PHASING



NOTE:
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



- CONSTRUCTION DETAILS**
- REMOVE EXISTING PEDESTRIAN SIGNAL HEAD FROM EXISTING STEEL STRAIN POLE THEN INSTALL NEW PEDESTRIAN SIGNAL HEADS, PUSHBUTTON AND SIGNS AS SHOWN.
 - INSTALL 12 IN. WHITE PERMANENT PREFORMED HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALKS.
 - USE EXISTING HANDHOLE.
 - USE EXISTING CONDUIT.
 - REMOVE EXISTING PAVEMENT MARKINGS.
 - REMOVE EXISTING PEDESTRIAN SIGNAL HEAD FROM EXISTING STEEL STRAIN POLE AND INSTALL SHIELD ASSEMBLY SIGNS AS SHOWN.
 - USE EXISTING SPAN WIRE.
 - REMOVE EXISTING PAVEMENT MARKINGS TO MEET THE PROPOSED STOP LINE AS SHOWN.
 - INSTALL 24 IN. WHITE PERMANENT PREFORMED HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.

GENERAL NOTES

- THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE LOCATIONS PRIOR TO INSTALLATION.
- THE CONTRACTOR SHALL REMOVE ALL EXISTING PEDESTRIAN SIGNAL HEAD EQUIPMENT FROM EXISTING CONDUIT, SPAN WIRE, STRAIN POLES AND CABINET PRIOR TO INSTALLING NEW PEDESTRIAN SIGNAL EQUIPMENT.
- ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
- THE CONTRACTOR MUST CONTACT MCDPW&T 72 HOURS PRIOR TO BEGINING WORK AT (240) 777-2190.
- THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.

GEOMETRIC LEGEND

EXISTING
PROPOSED

UTILITY LEGEND

SD - STORM DRAIN
G - GAS MAIN
W - WATER MAIN
S - SEWER MAIN
E - ELECTRIC CABLES
A - AERIAL CABLES
T - TELEPHONE CABLES

- INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- INSTALL CONCRETE FOUNDATION WITH A 10 FT. STEEL PEDESTAL POLE AND PEDESTRIAN SIGNAL HEADS. (NOTE: 3 IN. PVC SCHEDULE 80 CONDUIT BEND)
- INSTALL 4 IN. CONCRETE SIDEWALK IN MEDIAN (TO OF SIDEWALK TO MEET EXISTING ROADWAY ELEVATION).
- REMOVE EXISTING PEDESTRIAN SIGNAL HEAD FROM EXISTING STEEL STRAIN POLE THEN INSTALL NEW PEDESTRIAN SIGNAL HEAD AS SHOWN.



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REVISIONS	APPROVALS
1. SHA No. AT2885185 05/20/04 INSTALL PED SIGNALS ACROSS THE SOUTH LEG OF MD 97	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
2. SWA 1/20/04	ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
3. REPLACE DETECTION, CONDUIT AND WIRING DUE TO WIDENING	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
4. TMZ BT MAR DAZ BRK	DIRECTOR, OFFICE OF TRAFFIC & SAFETY

SHA MARYLAND DOT - STATE HIGHWAY ADMINISTRATION Office of Traffic & Safety TRAFFIC ENGINEERING DESIGN DIVISION TRAFFIC SIGNAL PLAN MD 97 (GEORGIA AVENUE) AT HINES ROAD/PRINCE PHILLIP DRIVE			
DRAWN BY: S. BARANOWSKI	F.A.P. NO. 3074B	TS NO. 3074B	SHEET NO. 1 OF 2
CHECKED BY: R. ZACHERL	S.H.A. NO. MONTGOMERY	T.I.M.S. NO. F932	
SCALE: 1" = 20'	COUNTY: MONTGOMERY	LOG MILE: 15009710.24	
DATE: 6-26-90			